

FORM PTO-1449/A and B (Modified)		APPLICATION NO.: 10/705,720	ATTY. DOCKET NO.: C1005.70011US01
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE: November 10, 2003	CONFIRMATION NO.: Not yet assigned
		APPLICANT: Mark J. Pykett et al.	
Sheet	2	GROUP ART UNIT: Not yet assigned 1636	EXAMINER: Not yet assigned KETTER

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U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
	A1	5,061,620		Tsukamoto et al.	10-29-1991
	A2 *	5,282,861		Kaplan	02-01-1994
	A3 *	5,443,950		Naughton et al.	08-22-1995
	A4 *	5,510,262		Stephanopoulos	04-23-1996
	A5 *	5,580,781		Naughton et al.	12-03-1996
	A6 *	5,635,387		Fei et al.	06-03-1997
	A7 *	5,677,139		Johnson et al.	10-04-1997
	A8	6,440,734	B1	Pykett et al.	08-27-2002
	A9	6,548,299	B1	Pykett et al.	04-15-2003
	A10	6,645,489	B2	Pykett et al.	11-11-2003

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/Country	Number	Kind Code			
	B1 *	WO	90/15877	A		12/90	
	B2 *	WO	96/33265			10/96	
	B3 *	WO	97/33978	A		09/97	
	B4 *	WO	99/15629			04/99	
	B5 *	WO	00/27999			05/00	
	B6 *	WO	01/21766			03/01	
	B7 *	EP	0 241 578	A		10/87	
	B8 *	EP	0 358 506			03/90	
	B9 *	EP	0 560 279	A		09/93	

OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
	C1 *	ANDERSON, et al., "MHC class II-positive epithelium and mesenchyme cells are both required for T-cell development in the thymus", <i>Nature</i> , 362, pp. 70-73 (1993).	
	C2 *	BAGLEY, et al., "Extended culture of multipotent hematopoietic progenitors without cytokine augmentation in a novel three-dimensional device", <i>Experimental Hematology</i> , 27(3), pp. 496-504 (1999).	
	C3 *	BAGLEY, et al., "Long-term three dimensional hematopoietic stem cell culture", <i>Amer. Chem. Soc.</i> , 126(1/03). ABSTRACT ONLY	
	C4 *	BOBYN, et al., "Characteristics of bone ingrowth and interface mechanics of a new porous tantalum biomaterial", <i>Journal of Bone & Joint Surgery (Br.)</i> , 81-B(5), pp. 907-914 (1999).	
	C5 *	BOYD, et al. "The thymic microenvironment", <i>Immunology Today</i> , 14(9), pp. 445-459 (1993).	

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J. KETTER

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APR 21 2004

C6 *	CLAY, et al., "Potential use of T cell receptor genes to modify hematopoietic stem cells for the gene therapy of cancer", <i>Pathology Oncology Research</i> , 5(1), pp. 3-15 (1999).
C7 *	FREEDMAN, et al., "Generation of human T lymphocytes from bone marrow CD34+ cells in vitro", <i>Nature Medicine</i> , 2(1), pp. 46-51 (1996).
C8 *	GARDNER, et al., "T-lymphopoietic capacity of cord blood-derived CD34+ progenitor cells", <i>Experimental Hematology</i> , 26, pp. 991-999 (1998).
C9 *	NAUGHTON, et al., "Three-dimensional bone marrow cell and tissue culture system", <i>Biotech. Adv.</i> , 15(2) (1997). ABSTRACT ONLY
C10 *	NAUGHTON, et al., "Three-dimensional culture system for the growth of hematopoietic cells", <i>Prog. Clin. Biol. Res.</i> , 333, pp. 435-445, (1990).
C11 *	PAWELEC, et al., "Extrathymic T cell differentiation in vitro from human CD34+ stem cells", <i>Journal of Leukocyte Biology</i> , 64, pp. 733-739 (1998).
C12 *	PORTER, et al., "A tissue of T cells", <i>Nature Biotechnology</i> , 18, pp. 714-715 (2000).
C13 *	POZNANSKY, et al., "Efficient generation of human T cells from a tissue-engineered thymic organoid", <i>Nature Biotechnology</i> , 18, pp. 729-734 (2000).
C14 *	ROSENZWEIG, et al., "T-cell differentiation of human and non-human primate CD34+ hematopoietic progenitor cells using porcine thymic stroma", <i>Xenotransplantation</i> , 8, pp. 185-192 (2001).
C15 *	ROSENZWEIG, et al., "Enhanced maintenance and retroviral transduction of primitive hematopoietic progenitor cells using a novel three-dimensional culture system", <i>Gene Therapy</i> , 4(9), pages 928-936 (1997).
C16 *	ROSENZWEIG, et al., "In vitro T lymphopoiesis of human and rhesus CD34+ progenitor cells", <i>Blood</i> , 87(10), pp. 4040-4048 (1996).
C17 *	ROSENZWEIG, et al., "In vitro T lymphopoiesis: A model system for stem cell gene therapy for AIDS", <i>Journal of Medical Primatology</i> , 25, pp. 192-200 (1996).
C18	STACKPOOL, GJ, et al., "Bone ingrowth characteristics of porous tantalum: a new material for orthopaedic implants", <i>Combined Orthopaedic Research Societies Meeting, November 6-8, 1995, San Diego, CA, Abstract Book pg 45.</i>
C19	TURNER, TM, et al., "Evaluation of tantalum foam, a novel porous material, for bone ingrowth fixation using a canine model", <i>21st Annual Meeting of the Society for Biomaterials, March 18-22, San Francisco, CA, Abstract Book, pg 125.</i>
C20 *	VAN EWIJK, "T-cell differentiation is influenced by thymic microenvironments", <i>Annual Review of Immunology</i> , 9, pp. 591-615 (1991).
C21 *	VAN VLIET, et al., "Stromal cell types in the developing thymus of the normal and nude mouse embryo", <i>European Journal of Immunology</i> , 15, pp. 675-681 (1985).
C22 *	WANG, et al., "Multilineal hematopoiesis in a three-dimensional murine long-term bone marrow culture", <i>Experimental Hematology</i> , pp. 26-32, (1995).

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